CHAPTER 12



NAVAL AIRCREWMEN (AW)

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVAL AIRCREWMEN (OPERATOR) (AWO)



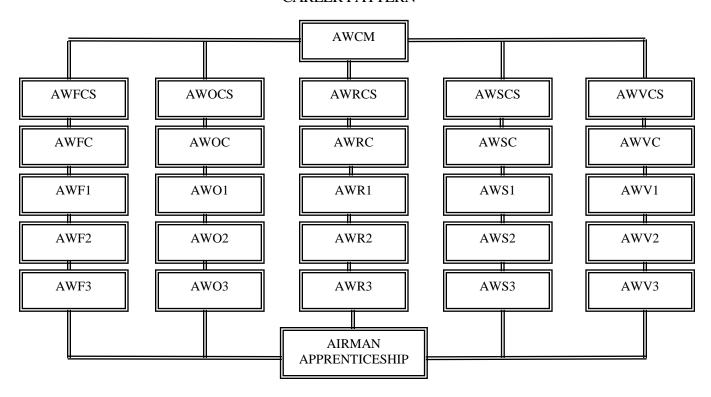
SCOPE OF RATING

Naval Aircrewmen (Operator) (AWO) produce intelligence products for aircrews in support of operations and tactical missions worldwide; detect, analyze, classify, and track surface and subsurface contacts; operate an advanced sonar system utilizing sonobouys, radar, Electronic Support Measures (ESM), Magnetic Anomaly Detector (MAD), Identification Friend or Foe/Selective Identification Feature (IFF/SIF), and Infrared Detector (IR); perform aircrew duties that support mission planning, classified material handling, and training; and handle ordnance, inspect acoustic station equipment, and operate mission equipment such as: advanced imaging multi-spectral sensors, radar for safety of flight, and hand-held cameras.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 12.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title
Acoustic Systems Specialist

 Job Family
 NOC
 Short Title (30 Characters)
 Short Title (10 Characters)

Job Code

002544

Installation, Maintenance, and Repair 4900-2093.00 ACOUSTIC SYSTEMS SPECIALIST ACSYS SPEC

<u>Pay Plan</u> <u>Career Field</u> <u>Proficiency Level</u> <u>Other Relationships and Rules:</u>

Enlisted AWO A/J/M NECs may include 0342, 0450, 0507, 7821 thru 7841

Job Description

Acoustic Systems Specialists are members of an integrated tactical crew aboard maritime patrol aircraft. They detect, analyze, classify, and track surface and subsurface contacts utilizing state of the art acoustic technology. They operate an advanced sonar system utilizing sonobouys. They also perform aircrew duties that support mission planning, acoustic classified material handling, and training contributing directly to an aircraft squadron's ability to conduct tactical operations worldwide.

DoD Relationship O*NET Relationship

Title and Group:	Code and Area:	Title and SOC Code:	Name and Family Code:
Sonar Operator, General	121000	Electrical and Electronics Installers and	Installation, Maintenance, and
		Repairers, Transportation Equipment	Repair
121	12	49-2093.00	49

AIRCREW ADMINISTRATION

Paygrade	Task Type	<u>Task Statements</u> <u>Skill</u>	<u>Us</u>	<u>Abilities</u>
E5	CORE	Conduct aircrew qualification ar	nd readiness program evaluations	
		Ope	eration and Control	Mathematical Reasoning
		Scie	ence	Number Facility
E7	CORE	Conduct flight order audit board	ds	
		Judg	gment and Decision Making	Fluency of Ideas
		Ope	eration and Control	Inductive Reasoning
E5	CORE	Conduct Naval Air Training and	d Operating Procedures Standardization	on (NATOPS) evaluations
		Con	nplex Problem Solving	Auditory Attention
		Ope	eration and Control	Visualization
E5	CORE	Conduct Naval Air Training and	d Operating Procedures Standardization	on (NATOPS) flight training
		Acti	ive Listening	Inductive Reasoning
		Insti	tructing	Selective Attention
E5	CORE	Conduct Naval Air Training and	d Operating Procedures Standardization	on (NATOPS) ground training
		Insti	tructing	Inductive Reasoning
		Lear	rning Strategies	Selective Attention
E5	CORE	Maintain aircrew flight database	es	
		Equ	upment Selection	Written Comprehension
		Insta	tallation	Written Expression
E4	CORE	Maintain Naval Air Training and	d Operating Procedures Standardization	
		Mon	nitoring	Written Comprehension
		Writ	ting	Written Expression
E5	CORE	Maintain tactical publication lib	praries	
		Judg	gment and Decision Making	Multi-limb Coordination
			nagement of Material Resources	Written Expression
E6	CORE	Prepare flight hour reports		
			nplex Problem Solving	Finger Dexterity
		Crit	tical Thinking	Reaction Time
E4	CORE	Prepare flight schedules		
			erations Analysis	Information Ordering
		Writ		Written Expression
E4	CORE		Operating Procedures Standardization	
			ive Listening	Oral Comprehension
			iding Comprehension	Written Comprehension
E4	CORE	Safeguard classified materials		
			ive Listening	Information Ordering
			ordination	Written Comprehension
E4	CORE	Update individual flight time sur		
			nplex Problem Solving	Deductive Reasoning
		Troi	ubleshooting	Visualization

AIRCREW DUTIES

<u>Paygrade</u> E4	<u>Task Type</u> CORE	Task Statements Skills Analyze mission tactical plots	<u>Abilities</u>
		Complex Problem Solving Critical Thinking	Spatial Orientation Visual Color Discrimination
E4	CORE	Analyze multi-static contact information	
		Critical Thinking Operation and Control	Perceptual Speed Reaction Time
E4	CORE	Analyze Night Vision Goggle (NVG) information Critical Thinking	Night Vision
E4	CORE	Operation and Control Analyze passive acoustic contacts data	Reaction Time
		Critical Thinking Operation and Control	Perceptual Speed Reaction Time
E4	CORE	Calculate Figure Of Merit (FOM)	
		Mathematics Science	Mathematical Reasoning Number Facility
E4	CORE	Classify Electro-Optics (EO) contact information Mathematics	Mathematical Reasoning
E4	CORE	Science Classify Infrared (IR) contact information	Number Facility
		Management of Material R Reading Comprehension	Resources Information Ordering Written Expression
E4	CORE	Classify multi-static contact information	•
		Judgment and Decision Mo Operation and Control	aking Memorization Perceptual Speed
E4	CORE	Classify passive acoustic contact information Judgment and Decision Me	aking Memorization
E4	CORE	Operation and Control Classify sound transmission paths	Perceptual Speed
		Judgment and Decision Me Operation and Control	aking Memorization Perceptual Speed
E4	CORE	Conduct aircraft fueling operations	• •
		Operation and Control Science	Mathematical Reasoning Number Facility
E4	CORE	Conduct Battle Hit Assessments (BHA) Equipment Selection	Far Vision
E4	CORE	Operation and Control Conduct Infrared (IR) and Electro-Optical (EO) surveil	Selective Attention
		Management of Financial Management of Material R	Resources Originality
E4	CORE	Conduct multi-static searches Reading Comprehension	Speech Recognition
F.4	CORE	Speaking	Written Comprehension
E4	CORE	Conduct Night Vision Device (NVD) flight operations *Instructing**	Inductive Reasoning
E4	CORE	Learning Strategies Conduct passenger safety briefs	Selective Attention
		Coordination Operation and Control	Fluency of Ideas Inductive Reasoning
E4	CORE	Conduct passive acoustic searches Coordination	Memorization
E4	CORE	Speaking Configure aircraft equipment for rescue missions	Speech Clarity
124	CORE	Instructing	Inductive Reasoning
E4	CORE	Speaking Configure aircraft for Anti-Submarine Warfare (ASW)	1
		Equipment Selection Installation	Dynamic Flexibility Explosive Strength
E4	CORE	Configure aircraft for internal cargo operations Equipment Selection	Finger Dexterity
E5	CORE	Systems Evaluation Construct search patterns	Memorization
		Equipment Selection Installation	Dynamic Flexibility Explosive Strength
E4	CORE	Coordinate pre-flight checks	•
		Coordination Systems Evaluation	Information Ordering Written Comprehension

E4	CORE	Determine non-target artifacts	
		Complex Problem Solving Judgment and Decision Mak	Information Ordering ing Originality
E4	CORE	Identify sonobouy aural cues	16
		Active Listening	Memorization Visualization
E4	CORE	Critical Thinking Inspect small arms	visualization
L+	CORL	Coordination	Oral Expression
		Management of Personnel R	
		resources	
E4	CORE	Inspect survival equipment	
		Active Listening	Memorization
		Critical Thinking	Visual Color Discrimination
E4	CORE	Load classified materials	
		Coordination	Dynamic Flexibility
F.4	CODE	Speaking	Dynamic Strength
E4	CORE	Monitor weapons employment	A. Jitam, Attantion
		Active Listening Monitoring	Auditory Attention Oral Comprehension
E4	CORE	Observe engine start ups	Orai Comprehension
L+	CORL	Active Listening	Oral Expression
		Monitoring	Speech Recognition
E4	CORE	Operate acoustic mission equipment	Speech Recognition
		Active Listening	Far Vision
		Monitoring	Near Vision
E4	CORE	Operate bomb bay doors	
		Active Listening	Inductive Reasoning
		Speaking	Selective Attention
E4	CORE	Operate communications equipment	
		Equipment Selection	Finger Dexterity
F.4	CORE	Operation and Control	Memorization
E4	CORE	Perform acoustic mission equipment in-flight operationa Coordination	
		Coordination Complex Problem Solving	Fluency of Ideas Information Ordering
E4	CORE	Perform aircraft fueling operations	Information Ordering
E.	COILE	Coordination	Deductive Reasoning
		Operation and Control	Finger Dexterity
E4	CORE	Perform aircraft ground handling operations	
		Coordination	Deductive Reasoning
		Operation and Control	Finger Dexterity
E4	CORE	Perform aircraft integrity inspections	
		Coordination	Deductive Reasoning
T. (CODE	Operation and Control	Dynamic Strength
E4	CORE	Perform aircraft post-flight inspections	D 1 D
		Coordination	Deductive Reasoning
E4	CORE	Operation and Control Perform Auxiliary Power Unit (APU) operations	Dynamic Strength
L4	COKE	Active Learning	Deductive Reasoning
		Active Listening	Memorization
E4	CORE	Perform drug interdiction searches	TI CITE OF SQUEED OFF
		Management of Material Re.	sources Speech Recognition
		Management of Personnel R	1
		resources	-
E4	CORE	Perform Electro-Optics (EO) equipment post-flight proce	edures
		Coordination	Information Ordering
		Operation and Control	Selective Attention
E4	CORE	Perform emergency procedures	W. IGI B
		Equipment Selection	Visual Color Discrimination
EΛ	CORE	Operation and Control	Visualization
E4	CORE	Perform external aircraft pre-flight inspections	Industina Pagganina
		Critical Thinking Mathematics	Inductive Reasoning Mathematical Reasoning
E4	CORE	Perform first aid	типетинси кеазопту
2.	COME	Systems Analysis	Problem Sensitivity
		Systems Finallysis Systems Evaluation	Visual Color Discrimination
E4	CORE	Perform flight planning before mission	
		Critical Thinking	Deductive Reasoning
		Monitoring	Information Ordering

E4	CORE	Perform general mission procedures
		Coordination Oral Comprehension
		Critical Thinking Speech Clarity
E4	CORE	Perform in-flight equipment checks
		Operation and Control Deductive Reasoning
		Systems Evaluation Finger Dexterity
E4	CORE	Perform in-flight observer duties
		Coordination Information Ordering
		Speaking Memorization
E4	CORE	Perform internal and external aircraft pre-flight inspections
		Systems Analysis Information Ordering
		Systems Evaluation Memorization
E4	CORE	Perform Medical Evacuations (MEDEVAC)
D.	CORE	Coordination Deductive Reasoning
		Equipment Selection Information Ordering
E4	CORE	Perform mission equipment power on pre-flight inspections
£4	CORE	
		Operation and Control Deductive Reasoning
		Systems Evaluation Finger Dexterity
E4	CORE	Perform on station mission turnovers/swap procedures
		Critical Thinking Finger Dexterity
		Operation and Control Memorization
E4	CORE	Perform reconnaissance recognition
		Operation and Control Finger Dexterity
		Systems Evaluation Memorization
E4	CORE	Perform mission planning
		Equipment Selection Written Comprehension
		Operation and Control Written Expression
E4	CORE	Prepare aircraft for static display
2.	COLL	Complex Problem Solving Deductive Reasoning
		Critical Thinking Visual Color Discrimination
E5	CORE	Prepare mission summary logs
EJ	COKE	Management of Material Resources Written Comprehension
E4	CODE	
E4	CORE	Report contacts
		Operations Analysis Information Ordering
		Writing Written Expression
E7	CORE	Review hot areas and air space restrictions
		Equipment Selection Finger Dexterity
		Programming Information Ordering
E4	CORE	Test aircraft systems
		Coordination Deductive Reasoning
		Judgment and Decision Making Memorization
E4	CORE	Update flight time log books
		Complex Problem Solving Deductive Reasoning
		Troubleshooting Visualization
E5	CORE	Utilize mission tactical plot during on station period
	-	Critical Thinking Deductive Reasoning
		Writing Written Expression
		o

AIRCREW TRAINING

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E5	CORE	Administer Naval Air Tra	ining and Operating Procedures Standardi	zation (NATOPS) programs
			Instructing	Memorization
			Learning Strategies	Written Comprehension
E7	CORE	Analyze monthly training	and operation reports	
			Complex Problem Solving	Inductive Reasoning
			Management of Material Resources	Originality
E6	CORE	Analyze training and read	iness matrix for technical accuracy	
			Critical Thinking	Inductive Reasoning
			Monitoring	Originality
E5	CORE	Brief crew resource mana	gement program	
			Persuasion	Speech Clarity
			Speaking	Written Expression
E5	CORE	Conduct tactical flight tra	ining	_
		_	Operation and Control	Finger Dexterity
			Operation Monitoring	Visual Color Discrimination

E5	CORE	Conduct tactical ground traini	2	
			nstructing	Inductive Reasoning
			peaking	Selective Attention
E5	CORE	Conduct warfare training exer		
			active Listening	Finger Dexterity
			Operation and Control	Information Ordering
E7	CORE	Define aircrew readiness requ	airements for individuals and crews	
		In	nstructing	Information Ordering
		S_I	peaking	Written Expression
E7	CORE	Determine aircrew requirement	nts for flight and Weapons System Trai	ner (WST) events
		C	Complex Problem Solving	Information Ordering
		$J\iota$	udgment and Decision Making	Originality
E5	CORE	Develop Naval Air Training a	and Operating Procedures Standardization	on (NATOPS) exams
		In	nstructing	Inductive Reasoning
		L_{i}	earning Strategies	Information Ordering
E5	CORE	Develop Naval Air Training a	and Operating Procedures Standardization	on (NATOPS) lesson material
		L	earning Strategies	Information Ordering
		W	Vriting	Written Expression
E5	CORE	Develop tactical exams	-	-
		L	earning Strategies	Information Ordering
		W	Vriting	Written Expression
E5	CORE	Develop tactical training mate	erials	-
		L	earning Strategies	Inductive Reasoning
		W	Vriting	Written Expression
E5	CORE	Develop tactical Weapons Sys	stem Trainer (WST) scenarios	-
		Ĺ	earning Strategies	Inductive Reasoning
		W	Vriting	Written Expression
E5	CORE	Operate Weapons Systems Tr	rainer (WST)	•
		0	Operation and Control	Finger Dexterity
		O	Operation Monitoring	Memorization
E4	CORE	Perform Aircrew Combat Tra	aining Continuum (ACTC)	
		C	Coordination	Deductive Reasoning
		J_l	udgment and Decision Making	Memorization
E4	CORE	Conduct land survival training	g	
			Critical Thinking	Information Ordering
			udgment and Decision Making	Memorization

COMMUNICATIONS

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Communicate using visua	l signals	
			Judgment and Decision Making	Memorization
			Operation and Control	Perceptual Speed
E4	CORE	Conduct underwater comm	nunications	
			Instructing	Inductive Reasoning
			Speaking	Selective Attention
E6	CORE	Draft Operational Report	(OPREP-3) messages	
		-	Systems Evaluation	Problem Sensitivity
			Troubleshooting	Written Expression
E5	CORE	Identify pyrotechnic comm	nunications	Ť
			Complex Problem Solving	Fluency of Ideas
			Critical Thinking	Originality
E4	CORE	Perform brevity codes con	nmunications	
		•	Coordination	Control Precision
			Operation and Control	Memorization
E4	CORE	Perform Intercommunicat	ion Systems (ICS) communications	
			Active Listening	Finger Dexterity
			Speaking	Memorization
E4	CORE	Review card of the day		
		•	Management of Personnel Resources	Information Ordering
			resources	, o
			Persuasion	Written Expression

ENVIRONMENTAL

Paygrade Paygrade	Task Type	Task Statements	Skills	<u>Abilities</u>
E4	CORE	Analyze Bathythermograp		
			Complex Problem Solving	Information Ordering Mathematical Reasoning
F4	CORE	Analyze bottom contour of	Critical Thinking	матпетансы Reasoning
£4	CORE	Anaryze bottom contour c	Critical Thinking	Inductive Reasoning
			Judgment and Decision Making	Visual Color Discrimination
E4	CORE	Analyze environmental d	ata for tactical application	Visital Color Discrimination
Li	CORL	7 mary 2c chivironmentar di	Critical Thinking	Mathematical Reasoning
			Science	Memorization
E4	CORE	Analyze meteorological a	and oceanographic conditions	niemon zamon
		,	Complex Problem Solving	Mathematical Reasoning
			Critical Thinking	Memorization
E4	CORE	Analyze sound transmissi		
		•	Critical Thinking	Mathematical Reasoning
			Operation and Control	Memorization
E4	CORE	Calculate predicted transr	mission path ranges	
		-	Mathematics	Mathematical Reasoning
			Science	Number Facility
E4	CORE	Determine active sonobou	uy localization and track depths	
			Critical Thinking	Inductive Reasoning
			Mathematics	Mathematical Reasoning
E4	CORE	Determine tactical enviro		
			Critical Thinking	Originality
			Operation and Control	Visualization
E4	CORE	Develop environmental p	roducts using applicable software	
			Speaking	Written Comprehension
77.4	CODE		Writing	Written Expression
E4	CORE	Interpret oceanographic d	ata for mission executions	
			Monitoring	Information Ordering
E4	CORE	D C :	Reading Comprehension	Written Comprehension
E4	CORE	Perform environmental ca	alculations during mission	D. J. din B
			Critical Thinking	Deductive Reasoning Memorization
F4	CORE	Darform anxironmental ac	Judgment and Decision Making alculations for mission planning	Memorization
£4	COKE	renorm environmental ca	Critical Thinking	Mathematical Reasoning
			Mathematics	Number Facility
F4	CORE	Perform on station enviro		Number Facility
LT	CORL	1 CITOTHI OH STATIOH CHVIIO	Critical Thinking	Finger Dexterity
			Operation and Control	Memorization
			•	
		MAINT	ENANCE SUPPORT	

<u>Paygrade</u>	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Conduct certification insp	pections on aviation combat systems	
			Equipment Selection	Manual Dexterity
			Operation and Control	Selective Attention
E4	CORE	Document aircraft discrep	pancies	
			Reading Comprehension	Written Comprehension
			Writing	Written Expression
E4	CORE	Troubleshoot Internal Co	mmunication System (ICS)	
			Critical Thinking	Deductive Reasoning
			Operation and Control	Category Flexibility
E4	CORE	Troubleshoot mission rep	lay recorders	
			Critical Thinking	Deductive Reasoning
			Operation and Control	Category Flexibility
E4	CORE	Troubleshoot Night Visio	on Device (NVD) equipment	
			Equipment Selection	Finger Dexterity
			Operation and Control	Written Expression
E4	CORE	Troubleshoot tactical mis	sion recorders	
			Complex Problem Solving	Deductive Reasoning
			Troubleshooting	Visualization
E4	CORE	Troubleshoot tactical syst	tems	
			Complex Problem Solving	Deductive Reasoning
			Troubleshooting	Visualization

OPERATIONS AND LOGISTICS MANAGEMENT

Paygrade	Task Type	Task Statements	<u>Skills</u>	Abilities _
E5	CORE	Conduct logistical operat	ions	
			Equipment Selection	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Load cargo onto aircraft		
			Coordination	Dynamic Flexibility
			Speaking	Dynamic Strength
E4	CORE	Maintain squadron navig	ational publications	
			Reading Comprehension	Written Comprehension
			Management of Material Resources	Deductive Reasoning
E7	CORE	Manage Operational Targ	get (OPTAR) budgets	
			Equipment Selection	Originality
			Operation and Control	Rate Control
E6	CORE	Organize static exhibits		
			Coordination	Fluency of Ideas
			Complex Problem Solving	Information Ordering
E5	CORE	Perform detachment site	surveys	
			Coordination	Oral Comprehension
			Judgment and Decision Making	Oral Expression
E6	CORE	Prepare country clearance	e messages	
			Complex Problem Solving	Finger Dexterity
			Critical Thinking	Reaction Time
		ODI	NIANCE/CTODEC	

ORDNANCE/STORES

<u>Paygrade</u> E4	<u>Task Type</u> CORE	<u>Task Statements</u> Conduct sonobouy drops	<u>Skills</u>	<u>Abilities</u>
		The state of the s	Reading Comprehension	Written Comprehension
			Writing	Written Expression
E4	CORE	Load aircraft ordnance		Î
			Management of Material Resources	Fluency of Ideas
			Writing	Visualization
E4	CORE	Load aircraft weapons		
			Coordination	Dynamic Flexibility
			Speaking	Dynamic Strength
E6	CORE	Manage ordnance inventor	ries	
			Complex Problem Solving	Mathematical Reasoning
			Management of Financial Resources	Number Facility
E6	CORE	Track ordnance expenditur	res	
			Critical Thinking	Information Ordering
			Judgment and Decision Making	Oral Expression

SEARCH AND RESCUE (SAR) OPERATIONS/COMBAT SEARCH AND RESCUE (CSAR) **OPERATIONS**

Paygrade	Task Type	Task Statements	Skills	Abilities
E4	CORE	Conduct airborne Search	And Rescue (SAR) missions	<u> </u>
			Equipment Selection	Memorization
			Operation and Control	Visualization
E7	CORE	Coordinate Search And R	escue (SAR) missions	
			Coordination	Fluency of Ideas
			Management of Material Resources	Information Ordering
E4	CORE	Perform Cardio-Pulmonar	y Resuscitation (CPR)	
			Coordination	Deductive Reasoning
			Operation and Control	Memorization
E4	CORE	Perform Search And Resc	ue (SAR) missions	
			Complex Problem Solving	Mathematical Reasoning
			Mathematics	Number Facility
		SEN	NSOR SYSTEMS	
<u>Paygrade</u> E4	<u>Task Type</u> CORE	Task Statements Analyze active contact inf	Skills Cormation	<u>Abilities</u>
		•	Complex Problem Solving Critical Thinking	Information Ordering Mathematical Reasoning

E4	CORE	Conduct Over-The-Horizon Targeting (OTHT)	
		Reading Comprehension	Problem Sensitivity
		Speaking	Reaction Time
E4	CORE	Conduct Specific Emitter Identification (SEI)	
		Coordination	Auditory Attention
		Operation and Control	Visualization
E4	CORE	Determine Extended Echo Ranging (EER) processing mode	
		Complex Problem Solving	Originality
		Operation and Control	Spatial Orientation
E4	CORE	Determine non-Target Of Interest (TOI) acoustic artifacts	
		Critical Thinking	Sound Localization
		Operation and Control	Visual Color Discrimination
E4	CORE	Determine optimum sensor effectiveness	
		Critical Thinking	Deductive Reasoning
		Operation and Control	Speed of Closure
E4	CORE	Establish Extended Echo Ranging (EER) processing modes	
		Equipment Selection	Finger Dexterity
		Operation and Control	Written Comprehension
E4	CORE	Identify Infrared (IR) and Electro-Optics (EO) countermeasures	•
		Judgment and Decision Making	Auditory Attention
		Mathematics	Memorization
E4	CORE	Perform airborne tactical system pre-flight operational checks	
		Coordination	Finger Dexterity
		Operation and Control	Memorization
E4	CORE	Perform Infrared (IR) system pre-flight inspections	
		Operation and Control	Deductive Reasoning
		Systems Evaluation	Finger Dexterity
E4	CORE	Perform Low Frequency Analysis and Recording (LOFAR) gram and	alysis
		Critical Thinking	Mathematical Reasoning
		Judgment and Decision Making	Visual Color Discrimination
E4	CORE	Track Target of Interest (TOI)	
		Critical Thinking	Information Ordering
		Systems Evaluation	Written Expression
		·	•

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Analyze Infrared (IR) and	d Electro-Optic (EO) contact information	
			Critical Thinking	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Analyze Inverse Syntheti	c-Aperture Radar (ISAR) or Synthetic Ape	
			Critical Thinking	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Classify visual contact in		
			Judgment and Decision Making	Memorization
			Operation and Control	Perceptual Speed
E4	CORE	Conduct visual searches		
			Judgment and Decision Making	Mathematical Reasoning
			Coordination	Visualization
E4	CORE	Operate vision enhancem	C	
			Operation and Control	Finger Dexterity
			Operation Monitoring	Memorization
E4	CORE	Perform aerial photograp	•	
			Systems Evaluation	Deductive Reasoning
			Troubleshooting	Finger Dexterity
E4	CORE	Perform Electro-Optical	` /	
			Operation and Control	Deductive Reasoning
			Systems Evaluation	Finger Dexterity
E4	CORE	Perform Night Vision De	evice (NVD) pre-flight inspections	
			Critical Thinking	Deductive Reasoning
			Judgment and Decision Making	Inductive Reasoning
E4	CORE	Perform photographic rig		
			Judgment and Decision Making	Oral Expression
			Speaking	Oral Comprehension
E6	CORE	Plan Night Vision Device		
			Critical Thinking	Deductive Reasoning
			Mathematics	Mathematical Reasoning

CORE

TACTICAL OPERATIONS CENTER (TOC) / MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

<u>Paygrade</u> E5	Task Type CORE	Task Statements Analyze tactical missions	<u>Skills</u> data	<u>Abilities</u>
		·	Critical Thinking Operation and Control	Originality Visualization
E4	CORE	Conduct mission briefs	F : (G) (:	
			Equipment Selection Operation and Control	Fluency of Ideas Information Ordering
E4	CORE	Conduct mission debriefs	Operation and Control	Information Ordering
			Reading Comprehension	Speech Recognition
			Speaking	Written Comprehension
E5	CORE	Create Acoustic Intelligen		W. C. I.
			Operations Analysis Writing	Written Comprehension Written Expression
E4	CORE	Determine tactical intellig		Written Expression
E.	CORE	Determine tactical intening	Critical Thinking	Originality
			Operation and Control	Visualization
E4	CORE	Develop aircrew mission b		
			Critical Thinking	Originality
E5	CORE	Develop tactical lessons le	Mathematics	Visualization
ES	CORE	Develop tactical lessons is	Learning Strategies	Information Ordering
			Writing	Written Expression
E5	CORE	Develop tactical proficien		•
			Learning Strategies	Inductive Reasoning
			Writing	Written Expression
E4	CORE	Extract tactical intelligence	e mathematically from target data	16 4 1.0
			Complex Problem Solving	Mathematical Reasoning
E5	CORE	Identify mission requirement	Mathematics	Number Facility
E3	COKE	identity mission requirem	Judgment and Decision Making	Perceptual Speed
			Operation and Control	Reaction Time
E5	CORE	Manage contact tracks	•	
			Judgment and Decision Making	Multi-limb Coordination
			Management of Material Resources	Written Expression
E4	CORE	Monitor radio communica		Oui ain alite
			Complex Problem Solving Monitoring	Originality Rate Control
E5	CORE	Perform acoustic quick loo		Ruie Control
20	COLL	r orrorm acoustic quien io	Coordination	Fluency of Ideas
			Complex Problem Solving	Information Ordering
E4	CORE	Perform radio malfunction		
			Equipment Selection	Inductive Reasoning
E4	CORE	Dorform tone mone comen	Operation and Control	Information Ordering
E4	CORE	Perform tape management	Equipment Selection	Finger Dexterity
			Systems Evaluation	Information Ordering
E4	CORE	Plot Position of Intended I		Information Ordering
			Critical Thinking	Spatial Orientation
			Operation and Control	Visual Color Discrimination
E6	CORE	Plot water space managem		
			Coordination	Information Ordering
E4	CORE	Duamana missian buiaf baal	Speaking	Night Vision
E4	COKE	Prepare mission brief bool	ks Coordination	Deductive Reasoning
			Judgment and Decision Making	Originality Originality
E4	CORE	Prepare tactical aircrew m		
			Operations Analysis	Deductive Reasoning
			Writing	Written Expression
E4	CORE	Prepare target briefs		
			Operations Analysis	Information Ordering
			Writing	Written Expression

E4	CORE	Review charts for mission	planning	
			Management of Material Resources	Information Ordering
			Management of Personnel Resources	Written Expression
			resources	
E4	CORE	Update mission brief book	S	
			Critical Thinking	Deductive Reasoning
			Writing	Written Expression
E5	CORE	Verify tactical plots		
			Critical Thinking	Visual Color Discrimination
			Operation and Control	Visualization
E6	CORE	Verify water space manage	ement	
			Coordination	Inductive Reasoning
			Speaking	Speech Clarity
E4	CORE	Verify weapons employme	ent	
			Active Listening	Deductive Reasoning
			Operation and Control	Information Ordering

TARGET MOTION ANALYSIS

<u>Paygrade</u> F4	Task Type CORE	Task Statements	<u>Skills</u>	<u>Abilities</u>
£4	CORE	Calculate active ranges	Mathematics Science	Mathematical Reasoning Number Facility
E4	CORE	Calculate active target cou	~	Number Facility
L4	COKL	Calculate active target con	Complex Problem Solving	Mathematical Reasoning
			Mathematics	Number Facility
F4	CORE	Calculate Area Of Probab	172017077007	Tumber I dettily
E.	CORL		Mathematics	Mathematical Reasoning
			Science	Number Facility
F4	CORE	Calculate passive acoustic	contacts course, speed and depth	Timber I dellily
2.	COLL	Carearate passive acoustic	Mathematics	Mathematical Reasoning
			Science	Number Facility
F4	CORE	Calculate Target Motion A	~	Tramber I dettily
			Mathematics	Mathematical Reasoning
			Science	Number Facility
F4	CORE	Conduct Target Motion A	~	Tramber I dettily
			Instructing	Inductive Reasoning
			Speaking	Selective Attention
F4	CORE	Determine Target Of Inter	1 0	
			Complex Problem Solving	Originality
			Social Perceptiveness	Visualization
F4	CORE	Identify contacts Closest I		, issued a second
		,	Instructing	Inductive Reasoning
			Learning Strategies	Selective Attention
F4	CORE	Perform range calculation		
			Operation and Control	Finger Dexterity
			Systems Evaluation	Memorization
				-

Job Title Electronic Systems Specialist

Job Code 002571

Job Family NOC Short Title (30 Characters) Short Title (10 Characters)

Installation, Maintenance, and Repair 4900-2093.00 ELECTRONIC SYSTEMS SPECIALIST E SYS SPEC

<u>Pay Plan</u> <u>Career Field</u> <u>Proficiency Level</u> <u>Other Relationships and Rules:</u>

Enlisted AWO A/J/M NEC 7861

Job Description

Electronic Systems Specialists are members of a fixed wing integrated tactical crew aboard maritime patrol aircraft. They detect, analyze, classify, and track surface and subsurface contacts electronically utilizing state of the art technology. Specifically they operate the following electronic warfare systems in support of operations and tactical missions worldwide: radar, Electronic Support Measures (ESM), Magnetic Anomaly Detector (MAD), Identification Friend or Foe/ Selective Identification Feature (IFF/SIF), and Infrared (IR) detectors. In addition, Electronic Systems Specialists perform aircrew duties that contribute directly to aircrew operations, training and administration for the purposes of attaining and maintaining the squadron's aircrew qualifications and certifications. They handle ordnance, have training in electronic intelligence and analysis, and are knowledgeable with security protocols.

DoD Relationship O*NET Relationship

Title and Group:	Code and Area:	Title and SOC Code:	Name and Family Code:
Sonar Operator, General	121000	Electrical and Electronics Installers and	Installation, Maintenance, and
		Repairers, Transportation Equipment	Repair
121	12	49-2093.00	49

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E5	CORE	Conduct aircrew qualificat	ion and readiness program evaluations	
			Operation and Control	Mathematical Reasoning
			Science	Number Facility
E7	CORE	Conduct flight order audit	boards	
			Judgment and Decision Making	Fluency of Ideas
			Operation and Control	Inductive Reasoning
E5	CORE	Conduct Naval Air Trainin	ng and Operating Procedures Standardization	on (NATOPS) evaluations
			Complex Problem Solving	Auditory Attention
			Operation and Control	Visualization
E5	CORE	Conduct Naval Air Trainin	ng and Operating Procedures Standardization	on (NATOPS) flight training
			Active Listening	Inductive Reasoning
			Instructing	Selective Attention
E5	CORE	Conduct Naval Air Trainin	ng and Operating Procedures Standardization	on (NATOPS) ground training
			Instructing	Inductive Reasoning
			Learning Strategies	Selective Attention
E5	CORE	Maintain aircrew flight dat		
			Equipment Selection	Dynamic Flexibility
			Installation	Dynamic Strength
E4	CORE	Maintain Naval Air Trainin	ng and Operating Procedures Standardizati	on (NATOPS) training jackets
			Monitoring	Written Comprehension
			Writing	Written Expression
E5	CORE	Maintain tactical publication	on libraries	•
			Judgment and Decision Making	Multi-limb Coordination
			Management of Material Resources	Written Expression
E6	CORE	Prepare flight hour reports		•
		1 0 1	Complex Problem Solving	Finger Dexterity
			Critical Thinking	Reaction Time
E4	CORE	Prepare flight schedules	, and the second	
		1 0	Operations Analysis	Information Ordering
			Writing	Written Expression
E4	CORE	Review Naval Air Training	g and Operating Procedures Standardization	n (NATOPS) records
		`	Active Listening	Oral Comprehension
			Reading Comprehension	Written Comprehension
E4	CORE	Safeguard classified mater		•
		-	Active Listening	Information Ordering
			Coordination	Written Comprehension
				*

Update individual flight time summaries $Complex\ Problem\ Solving$ Troubleshooting

Deductive Reasoning ${\it Visualization}$

AIRCREW DUTIES

<u>Paygrade</u> E4	<u>Task Type</u> CORE	Task Statements Skills Analyze Magnetic Anomaly Detection (MAD) contact information	<u>Abilities</u>
E.	CORL	Critical Thinking Operation and Control	Perceptual Speed Reaction Time
E4	CORE	Analyze mission tactical plots	
		Complex Problem Solving Critical Thinking	Spatial Orientation Visual Color Discrimination
E4	CORE	Analyze Night Vision Goggle (NVG) information	377 1 . 377 1
		Critical Thinking	Night Vision
E4	CORE	Operation and Control	Reaction Time
L4	COKE	Analyze radar contact data Critical Thinking	Perceptual Speed
		Operation and Control	Reaction Time
E4	CORE	Analyze threat data in-flight	Reaction Time
LŦ	COKL	Critical Thinking	Perceptual Speed
		Operation and Control	Reaction Time
E4	CORE	Calculate radar formulas	Reaction Time
L4	COKE		Mathematical Peasoning
		Complex Problem Solving	Mathematical Reasoning
E4	CORE	Mathematics Classify Floatra Ontics (FO) content information	Number Facility
E4	COKE	Classify Electro-Optics (EO) contact information	Made and all Demonstra
		Mathematics	Mathematical Reasoning
E4	CORE	Science Science	Number Facility
E4	CORE	Classify Electronic Warfare Support (ES) contact information	16 0.1
		Management of Material Resources	Information Ordering
E4	CORE	Reading Comprehension	Written Expression
E4	CORE	Classify Infrared (IR) contact information	16 0.1
		Management of Material Resources	Information Ordering
5 .4	CODE	Reading Comprehension	Written Expression
E4	CORE	Classify Inverse Synthetic-Aperture Radar (ISAR) contact informati	
		Judgment and Decision Making	Memorization
		Operation and Control	Perceptual Speed
E4	CORE	Classify Magnetic Anomaly Detection (MAD) contact information	
		Judgment and Decision Making	Memorization
		Operation and Control	Perceptual Speed
E4	CORE	Classify non-acoustic contact information	
		Judgment and Decision Making	Memorization
		Operation and Control	Perceptual Speed
E4	CORE	Classify Synthetic Aperture Radar (SAR) contact information	
		Judgment and Decision Making	Memorization
		Operation and Control	Perceptual Speed
E4	CORE	Compute Electronic Warfare Support (ES) contact intercepts	
		Judgment and Decision Making	Memorization
		Operation and Control	Perceptual Speed
E4	CORE	Compute radar contact intercepts	
		Judgment and Decision Making	Memorization
		Operation and Control	Perceptual Speed
E4	CORE	Conduct aircraft fueling operations	
		Operation and Control	Mathematical Reasoning
		Science	Number Facility
E4	CORE	Conduct Battle Hit Assessments (BHA)	
		Equipment Selection	Far Vision
		Operation and Control	Selective Attention
E5	CORE	Conduct Electronic Warfare Support (ES) searches	
		Instructing	Oral Comprehension
		Speaking	Selective Attention
E4	CORE	Conduct Infrared (IR) and Electro-Optical (EO) surveillance	
		Management of Financial Resources	Originality
		Management of Material Resources	Visualization
E4	CORE	Conduct Night Vision Device (NVD) flight operations	
		Instructing	Inductive Reasoning
		Learning Strategies	Selective Attention

E4	CODE	C1t	L	
E4	CORE	Conduct passenger safety	Coordination	Fluency of Ideas
			Operation and Control	Inductive Reasoning
E4	CORE	Configure aircraft equipme	ent for rescue missions	Ţ.
			Instructing	Inductive Reasoning
E4	CORE	Configure aircraft for Anti	Speaking i-Submarine Warfare (ASW) operations	Selective Attention
124	CORE	Configure afferant for And	Equipment Selection	Dynamic Flexibility
			Installation	Explosive Strength
E4	CORE	Configure aircraft for inter	rnal cargo operations	
			Equipment Selection	Finger Dexterity
T7.5	CORE	Construct soonsh metterns	Systems Evaluation	Memorization
E5	CORE	Construct search patterns	Equipment Selection	Dynamic Flexibility
			Installation	Explosive Strength
E4	CORE	Coordinate pre-flight chec	ks	
			Coordination	Information Ordering
T-1	CORF		Systems Evaluation	Written Comprehension
E4	CORE	Correlate Electronic Warfa	are Support (ES) contact information	Mamarization
			Judgment and Decision Making Operation and Control	Memorization Reaction Time
E4	CORE	Evaluate in-flight radar da		Reaction Time
		<i>g</i> · · · · · · ·	Judgment and Decision Making	Reaction Time
			Operation and Control	Visual Color Discrimination
E4	CORE	Identify radar scan types	1.1	E' D
			Judgment and Decision Making Science	Finger Dexterity Visualization
E4	CORE	Inspect small arms	Science	visualization
E.	CORE	mspeet smarr arms	Coordination	Oral Expression
			Management of Personnel Resources	Written Expression
			resources	
E4	CORE	Inspect survival equipmen		
			Active Listening Critical Thinking	Memorization Visual Color Discrimination
E4	CORE	Load classified materials	Cruicai Ininking	visual Color Discrimination
			Coordination	Dynamic Flexibility
			Speaking	Dynamic Strength
E4	CORE	Monitor aircraft stand-offs		
			Reading Comprehension	Information Ordering
E4	CORE	Monitor weapons employs	Writing ment	Written Comprehension
E.	CORE	Montor weapons employs	Active Listening	Auditory Attention
			Monitoring	Oral Comprehension
E4	CORE	Observe engine start ups		
			Active Listening	Oral Expression
E4	CORE	Operate bomb bay doors	Monitoring	Speech Recognition
LT	CORL	Operate bolilo bay doors	Active Listening	Inductive Reasoning
			Speaking	Selective Attention
E4	CORE	Operate communications of		
			Equipment Selection	Finger Dexterity
E4	CORE	Operate Infrared (ID) reco	Operation and Control	Memorization
£4	CORE	Operate Infrared (IR) reco	Active Listening	Finger Dexterity
			Operation and Control	Speech Clarity
E4	CORE	Perform aircraft fueling or		1
			Coordination	Deductive Reasoning
E4	CORE	D C ' C 11	Operation and Control	Finger Dexterity
E4	CORE	Perform aircraft ground ha	indling operations Coordination	Deductive Reasoning
			Operation and Control	Finger Dexterity
E4	CORE	Perform aircraft integrity i		G
		- ,	Coordination	Deductive Reasoning
F.4	CORE	D C	Operation and Control	Dynamic Strength
E4	CORE	Perform aircraft post-fligh	-	Daduatina Pagassina
			Coordination Operation and Control	Deductive Reasoning Dynamic Strength
			operation and Control	2 jimine Sirengui

E4	CORE	Perform Auxiliary Power Unit (APU) operations	
		Active Learning Active Listening	Deductive Reasoning Memorization
E4	CORE	Perform drug interdiction searches	memorization
		Management of Material Resources	Speech Recognition
		Management of Personnel Resources resources	Written Comprehension
E4	CORE	Perform Electro-Optics (EO) equipment post-flight procedures	
		Coordination	Information Ordering
E4	CORE	Operation and Control Perform emergency procedures	Selective Attention
_,		Equipment Selection	Visual Color Discrimination
E4	CORE	Operation and Control	Visualization
E4	CORE	Perform external aircraft pre-flight inspections Critical Thinking	Inductive Reasoning
		Mathematics	Mathematical Reasoning
E4	CORE	Perform first aid	
		Systems Analysis Systems Evaluation	Problem Sensitivity Visual Color Discrimination
E4	CORE	Perform flight planning before mission	visual Color Discrimination
		Critical Thinking	Deductive Reasoning
5. 4	CORF	Monitoring	Information Ordering
E4	CORE	Perform general mission procedures Coordination	Oral Comprehension
		Critical Thinking	Speech Clarity
E4	CORE	Perform in-flight equipment checks	1
		Operation and Control	Deductive Reasoning
E4	CORE	Systems Evaluation Perform in-flight observer duties	Finger Dexterity
LT	CORE	Coordination	Information Ordering
		Speaking	Memorization
E4	CORE	Perform internal and external aircraft pre-flight inspections	La Commention Continue
		Systems Analysis Systems Evaluation	Information Ordering Memorization
E4	CORE	Perform Medical Evacuations (MEDEVAC) operations	nemorization
		Coordination	Deductive Reasoning
E4	CORE	Equipment Selection Perform mission equipment power on pre-flight inspections	Information Ordering
L4	CORE	Operation and Control	Deductive Reasoning
		Systems Evaluation	Finger Dexterity
E4	CORE	Perform on station mission turnovers/swap procedures	F. D
		Critical Thinking Operation and Control	Finger Dexterity Memorization
E4	CORE	Perform radar pre-flight inspections	memorization
		Equipment Selection	Finger Dexterity
E4	CORE	Operation and Control	Rate Control
E4	CORE	Perform reconnaissance recognition Operation and Control	Finger Dexterity
		Systems Evaluation	Memorization
E4	CORE	Perform terrain avoidance radar navigations	T. D.
		Equipment Selection Operation and Control	Finger Dexterity Memorization
E4	CORE	Perform weather avoidance radar navigations	иетопцииоп
		Coordination	Finger Dexterity
F.4	CORE	Operation Monitoring	Memorization
E4	CORE	Perform mission planning Equipment Selection	Written Comprehension
		Operation and Control	Written Expression
E4	CORE	Prepare aircraft for static displays	•
		Complex Problem Solving	Deductive Reasoning Visual Color Discrimination
E5	CORE	Critical Thinking Prepare mission summary logs	visuai Cotor Discrimination
20	COME	Management of Material Resources	Written Comprehension
7.4	gor-	Writing	Written Expression
E4	CORE	Report contacts Operations Analysis	Information Ordering
		Writing	Written Expression
		· ·	*

E7	CORE	Review hot areas and air space restrictions		
			Equipment Selection	Finger Dexterity
			Programming	Information Ordering
E4	CORE	Test aircraft systems		
			Coordination	Deductive Reasoning
			Judgment and Decision Making	Memorization
E5	CORE	Update flight time log boo	ks	
			Complex Problem Solving	Deductive Reasoning
			Troubleshooting	Visualization
E5	CORE	Utilize mission tactical plo	t during on station period	
			Critical Thinking	Deductive Reasoning
			Writing	Written Expression

AIRCREW TRAINING

Paygrade	Task Type	<u>Task Statements</u> <u>Skills</u>	<u>Abilities</u>
E5	CORE	Administer Naval Air Training and Operating Procedures Standardiz	
		Instructing	Memorization
		Learning Strategies	Written Comprehension
E7	CORE	Analyze monthly training and operation reports	
		Complex Problem Solving	Inductive Reasoning
		Management of Material Resources	Originality
E6	CORE	Analyze training and readiness matrix for technical accuracy	
		Critical Thinking	Inductive Reasoning
1	CORE	Monitoring	Originality
E5	CORE	Brief crew resource management program	San and Classics
		Persuasion	Speech Clarity
E5	CORE	Speaking Conduct tactical flight training	Written Expression
EJ	COKE	Operation and Control	Finger Dexterity
		Operation United Control Operation Monitoring	Visual Color Discrimination
E5	CORE	Conduct tactical ground training	visiai Color Discrimination
23	CORL	Instructing	Inductive Reasoning
		Speaking	Selective Attention
E5	CORE	Conduct warfare training exercises	Serective Timention
		Active Listening	Finger Dexterity
		Operation and Control	Information Ordering
E7	CORE	Define aircrew readiness requirements for individuals and crews	,
		Instructing	Information Ordering
		Speaking	Written Expression
E7	CORE	Determine aircrew requirements for flight and Weapons System Train	
		Complex Problem Solving	Information Ordering
		Judgment and Decision Making	Originality
E5	CORE	Develop Naval Air Training and Operating Procedures Standardizati	
		Instructing	Inductive Reasoning
77.5	CODE	Learning Strategies	Information Ordering
E5	CORE	Develop Naval Air Training and Operating Procedures Standardizati	
		Learning Strategies	Information Ordering
E5	CORE	Writing Develop testical evens	Written Expression
EJ	COKE	Develop tactical exams	Information Ordering
		Learning Strategies Writing	Written Expression
E5	CORE	Develop tactical training materials	written Expression
23	CORL	Learning Strategies	Inductive Reasoning
		Writing	Written Expression
E5	CORE	Develop tactical Weapons System Trainer (WST) scenarios	With Empression
		Learning Strategies	Inductive Reasoning
		Writing	Written Expression
E5	CORE	Operate Weapons Systems Trainer (WST)	•
		Operation and Control	Finger Dexterity
		Operation Monitoring	Memorization
E4	CORE	Perform Aircrew Combat Training Continuum (ACTC)	
		Coordination	Deductive Reasoning
		Judgment and Decision Making	Memorization
E4	CORE	Conduct land survival training	
		Critical Thinking	Information Ordering
		Judgment and Decision Making	Memorization

COMMUNICATIONS

Paygrade	Task Type	Task Statements	Skills	Abilities .
E4	CORE	Communicate using visual	signals	
			Judgment and Decision Making	Memorization
			Operation and Control	Perceptual Speed
E4	CORE	Determine communication	considerations	
			Complex Problem Solving	Fluency of Ideas
			Equipment Selection	Information Ordering
E6	CORE	Draft Operational Report (OPREP-3) messages	
			Systems Evaluation	Problem Sensitivity
			Troubleshooting	Written Expression
E5	CORE	Identify pyrotechnic comm	nunications	
			Complex Problem Solving	Fluency of Ideas
			Critical Thinking	Originality
E4	CORE	Perform brevity codes com	nmunications	
			Coordination	Control Precision
			Operation and Control	Memorization
E4	CORE	Perform Intercommunication	on Systems (ICS) communications	
			Active Listening	Finger Dexterity
			Speaking	Memorization
E4	CORE	Review card of the day		
			Management of Personnel Resources	Information Ordering
			resources	
			Persuasion	Written Expression

ENVIRONMENTAL

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Analyze bottom contou	ır charts	
			Critical Thinking	Inductive Reasoning
			Judgment and Decision Making	Visual Color Discrimination
E4	CORE	Analyze environmental	l data for tactical application	
			Critical Thinking	Mathematical Reasoning
			Science	Memorization
E4	CORE	Analyze meteorologica	al and oceanographic conditions	
			Complex Problem Solving	Mathematical Reasoning
			Critical Thinking	Memorization
E4	CORE	Calculate predicted tran	nsmission path ranges	
		•	Mathematics	Mathematical Reasoning
			Science	Number Facility
E4	CORE	Determine tactical envi	ironmental considerations	ž
			Critical Thinking	Originality
			Operation and Control	Visualization
E4	CORE	Develop environmenta	l products using applicable software	
		•	Speaking	Written Comprehension
			Writing	Written Expression
E4	CORE	Perform environmental	l calculations during mission	•
			Critical Thinking	Deductive Reasoning
			Judgment and Decision Making	Memorization
E4	CORE	Perform environmental	l calculations for mission planning	
			Critical Thinking	Mathematical Reasoning
			Mathematics	Number Facility
F4	CORE	Perform on station env	ironmental undates	
•			Critical Thinking	Finger Dexterity
			Operation and Control	Memorization
			or	

MAINTENANCE SUPPORT

<u>Paygrade</u>	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Conduct certification insp	pections on aviation combat systems	
			Equipment Selection	Manual Dexterity
			Operation and Control	Selective Attention
E4	CORE	Document aircraft discrep	pancies	
			Reading Comprehension	Written Comprehension
			Writing	Written Expression

CORE	Troubleshoot Internal Co	ommunication System (ICS)	
		Critical Thinking	Deductive Reasoning
		Operation and Control	Category Flexibility
CORE	Troubleshoot mission rep	olay recorders	
	_	Critical Thinking	Deductive Reasoning
		Operation and Control	Category Flexibility
CORE	Troubleshoot Night Vision	on Device (NVD) equipment	
		Equipment Selection	Finger Dexterity
		Operation and Control	Written Expression
CORE	Troubleshoot tactical mis	ssion recorders	
		Complex Problem Solving	Deductive Reasoning
		Troubleshooting	Visualization
CORE	Troubleshoot tactical sys	tems	
		Complex Problem Solving	Deductive Reasoning
		Troubleshooting	Visualization
	CORE CORE	CORE Troubleshoot mission rep CORE Troubleshoot Night Vision CORE Troubleshoot tactical mission rep	Critical Thinking Operation and Control CORE Troubleshoot mission replay recorders Critical Thinking Operation and Control CORE Troubleshoot Night Vision Device (NVD) equipment Equipment Selection Operation and Control CORE Troubleshoot tactical mission recorders Complex Problem Solving Troubleshooting CORE Troubleshoot tactical systems Complex Problem Solving

OPERATIONS AND LOGISTICS MANAGEMENT

<u>Paygrade</u>	Task Type	Task Statements	<u>Skills</u>	Abilities_
E5	CORE	Conduct logistical operat	ions	
			Equipment Selection	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Load cargo onto aircraft		
			Coordination	Dynamic Flexibility
			Speaking	Dynamic Strength
E4	CORE	Maintain squadron navig	ational publications	
			Reading Comprehension	Written Comprehension
			Management of Material Resources	Deductive Reasoning
E7	CORE	Manage Operational Targ	get (OPTAR) budgets	
			Equipment Selection	Originality
			Operation and Control	Rate Control
E6	CORE	Organize static exhibits	•	
			Coordination	Fluency of Ideas
			Complex Problem Solving	Information Ordering
E5	CORE	Perform detachment site	surveys	•
			Coordination	Oral Comprehension
			Judgment and Decision Making	Oral Expression
E6	CORE	Prepare country clearance	e messages	Ť
			Complex Problem Solving	Finger Dexterity
			Critical Thinking	Reaction Time
E7	CORE	Update navigational char	ts	
			Critical Thinking	Deductive Reasoning
			Writing	Written Expression
			~	-

ORDNANCE/STORES

Paygrade	Task Type	Task Statements	<u>Skills</u>	Abilities
E4	CORE	Conduct sonobouy drops		
		• •	Reading Comprehension	Written Comprehension
			Writing	Written Expression
E4	CORE	Load aircraft ordnance		
			Management of Material Resources	Fluency of Ideas
			Writing	Visualization
E4	CORE	Load aircraft weapons		
			Coordination	Dynamic Flexibility
			Speaking	Dynamic Strength
E6	CORE	Manage ordnance inventor	ries	_
			Complex Problem Solving	Mathematical Reasoning
			Management of Financial Resources	Number Facility
E6	CORE	Track ordnance expenditu	res	
		_	Critical Thinking	Information Ordering
			Judgment and Decision Making	Oral Expression

SEARCH AND RESCUE (SAR) OPERATIONS/COMBAT SEARCH AND RESCUE (CSAR) OPERATIONS

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Conduct airborne Search	And Rescue (SAR) missions	
			Equipment Selection	Memorization
			Operation and Control	Visualization
E7	CORE	Coordinate Search And Re	escue (SAR) missions	
			Coordination	Fluency of Ideas
			Management of Material Resources	Information Ordering
E4	CORE	Perform Cardio-Pulmonar	y Resuscitation (CPR)	
			Coordination	Deductive Reasoning
			Operation and Control	Memorization
E4	CORE	Perform Search And Resc	ue (SAR) missions	
			Complex Problem Solving	Mathematical Reasoning
			Mathematics	Number Facility
E5	CORE	Plot survivor locations		
			Critical Thinking	Spatial Orientation
			Operation and Control	Visual Color Discrimination

SENSOR SYSTEMS

Paygrade	Task Type	Task Statements	Skills	Abilities
E4	CORE	Analyze Electronic Warfa	are Support (ES) contacts	
		•	Critical Thinking	Memorization
			Operation and Control	Reaction Time
E4	CORE	Conduct Identification Fri	iend or Foe (IFF) and Selective Identification	
			Management of Financial Resources	Speech Clarity
			Management of Material Resources	Written Expression
E4	CORE	Conduct Over-The-Horizo	on Targeting (OTHT)	
			Reading Comprehension	Problem Sensitivity
			Speaking	Reaction Time
E4	CORE	Conduct Specific Emitter	Identification (SEI)	
			Coordination	Auditory Attention
			Operation and Control	Visualization
E4	CORE	Conduct tactical airborne	radar operations	
			Operation and Control	Finger Dexterity
			Operation Monitoring	Visual Color Discrimination
E4	CORE	Determine optimum senso	or effectiveness	
			Critical Thinking	Deductive Reasoning
			Operation and Control	Speed of Closure
E4	CORE	Determine radar contact is	ntercepts	
			Critical Thinking	Originality
			Operation and Control	Visualization
E4	CORE	Identify Infrared (IR) and	Electro Optics (EO) countermeasures	
			Judgment and Decision Making	Auditory Attention
			Mathematics	Memorization
E4	CORE	Interpret radar video		
			Critical Thinking	Deductive Reasoning
			Judgment and Decision Making	Mathematical Reasoning
E4	CORE	Interpret Selective Identif	ication Feature (SIF) video	
			Critical Thinking	Memorization
			Operation and Control	Visual Color Discrimination
E4	CORE	Perform airborne radar sy		
			Equipment Selection	Finger Dexterity
			Operation and Control	Memorization
E4	CORE	Perform airborne tactical	system pre-flight operational checks	
			Coordination	Finger Dexterity
			Operation and Control	Memorization
E4	CORE	Perform Identification Fri	end or Foe (IFF) pre-flight inspections	
			Operation Monitoring	Deductive Reasoning
			Systems Analysis	Information Ordering
E4	CORE	Perform Infrared (IR) syst		
			Operation and Control	Deductive Reasoning
			Systems Evaluation	Finger Dexterity
E4	CORE	Perform Magnetic Anoma	aly Detection (MAD) compensations	
			Operation and Control	Information Ordering
			Systems Evaluation	Memorization

E4	CORE	Perform Magnetic Anomaly Detection (MAD) systems pre-flight inspections		
			Systems Analysis	Information Ordering
			Systems Evaluation	Memorization
E4	CORE	Perform off-line radar ope	rations	
		_	Operation and Control	Spatial Orientation
			Science	Visualization
E4	CORE	Perform on-line radar oper	rations	
			Systems Analysis	Finger Dexterity
			Systems Evaluation	Night Vision
E4	CORE	Track radar contacts		
			Critical Thinking	Fluency of Ideas
			Management of Personnel Resources	Oral Expression
			resources	•
E4	CORE	Track Targets Of Interest	(TOI)	
			Critical Thinking	Information Ordering
			Systems Evaluation	Written Expression

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS

Paygrade	Task Type	Task Statements	Skills	<u>Abilities</u>
E4	CORE	Analyze Infrared (IR) and	Electro-Optic (EO) contact information	
			Critical Thinking	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Analyze Inverse Synthetic	e-Aperture Radar (ISAR) or Synthetic Aper	
			Critical Thinking	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Calculate visual search alt		
			Mathematics	Mathematical Reasoning
			Science	Number Facility
E4	CORE	Classify visual contact inf		
			Judgment and Decision Making	Memorization
			Operation and Control	Perceptual Speed
E4	CORE	Conduct visual searches		
			Judgment and Decision Making	Mathematical Reasoning
			Coordination	Visualization
E4	CORE	Operate vision enhancement		
			Operation and Control	Finger Dexterity
			Operation Monitoring	Memorization
E4	CORE	Perform aerial photograph		
			Systems Evaluation	Deductive Reasoning
			Troubleshooting	Finger Dexterity
E4	CORE	Perform Electro-Optical (*	
			Operation and Control	Deductive Reasoning
			Systems Evaluation	Finger Dexterity
E4	CORE	Perform Night Vision Dev	vice (NVD) pre-flight inspections	
			Critical Thinking	Deductive Reasoning
			Judgment and Decision Making	Inductive Reasoning
E4	CORE	Perform photographic rigg	gings	
			Judgment and Decision Making	Oral Expression
			Speaking	Oral Comprehension
E6	CORE	Plan Night Vision Device	(NVD) operations	
			Critical Thinking	Deductive Reasoning
			Mathematics	Mathematical Reasoning
E4	CORE	Utilize vision enhancemen	nt equipment	
			Critical Thinking	Deductive Reasoning
			Writing	Written Expression

TACTICAL OPERATIONS CENTER (TOC) / MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E5	CORE	Analyze tactical missions	data	
			Critical Thinking	Originality
			Operation and Control	Visualization
E4	CORE	Conduct mission briefs		
			Equipment Selection	Fluency of Ideas
			Operation and Control	Information Ordering
E4	CORE	Conduct mission debriefs		
			Reading Comprehension	Speech Recognition
			Speaking	Written Comprehension

E4	CORE	Determine tectical intelligence considerations	
Ľ4	CORE	Determine tactical intelligence considerations Critical Thinking Operation and Control	Originality Visualization
E4	CORE	Develop aircrew mission briefs Critical Thinking Mathematics	Originality Visualization
E5	CORE	Develop tactical lessons learned <i>Learning Strategies</i>	Information Ordering
E5	CORE	Writing Develop tactical proficiency programs Learning Strategies	Written Expression Inductive Reasoning
E4	CORE	Writing Extract tactical intelligence mathematically from target data Complex Problem Solving	Written Expression
E5	CORE	Mathematics Identify mission requirements	Mathematical Reasoning Number Facility
E5	CORE	Judgment and Decision Making Operation and Control Manage contact tracks	Perceptual Speed Reaction Time
		Judgment and Decision Making Management of Material Resources	Multi-limb Coordination Written Expression
E4	CORE	Monitor radio communications Complex Problem Solving Monitoring	Originality Rate Control
E4	CORE	Perform radio malfunction procedures Equipment Selection Operation and Control	Inductive Reasoning Information Ordering
E4	CORE	Perform tape management procedures Equipment Selection	Finger Dexterity
E4	CORE	Systems Evaluation Plot Position of Intended Movement (PIM) tracks Critical Thinking	Information Ordering Spatial Orientation
E6	CORE	Operation and Control Plot water space management areas	Visual Color Discrimination
E4	CORE	Coordination Speaking Prepare mission brief books	Information Ordering Night Vision
E4	CORE	Coordination Judgment and Decision Making Prepare tactical aircrew mission briefs	Deductive Reasoning Originality
		Operations Analysis Writing	Deductive Reasoning Written Expression
E4	CORE	Prepare target briefs Operations Analysis Writing	Information Ordering Written Expression
E6	CORE	Program Electronic Warfare Support (ES) libraries Operations Analysis	Information Ordering
E4	CORE	Writing Review charts for mission planning Management of Material Resources	Written Expression Information Ordering
E5	CORE	Management of Personnel Resources resources Update contact databases	Written Expression
		Critical Thinking Troubleshooting	Deductive Reasoning Visualization
E4	CORE	Update mission brief books Critical Thinking Writing	Deductive Reasoning Written Expression
E4	CORE	Vector aircraft Critical Thinking Operation and Control	Inductive Reasoning Spatial Orientation
E5	CORE	Verify tactical plots Critical Thinking	Visual Color Discrimination
E6	CORE	Operation and Control Verify water space management Coordination	Visualization Inductive Reasoning
E4	CORE	Speaking Verify weapons employment	Speech Clarity
		Active Listening Operation and Control	Deductive Reasoning Information Ordering

TARGET MOTION ANALYSIS

Paygrade	Task Type	Task Statements	<u>Skills</u>	Abilities
E4	CORE	Calculate Magnetic Anon	naly Detection (MAD) contact course and	speed
			Complex Problem Solving	Mathematical Reasoning
			Mathematics	Number Facility
E4	CORE	Calculate radar contact co	ourse and speed	
			Mathematics	Mathematical Reasoning
			Science	Number Facility
E4	CORE	Calculate Target Motion	Analysis (TMA)	
			Mathematics	Mathematical Reasoning
			Science	Number Facility
E4	CORE	Conduct Target Motion A	analysis (TMA)	
			Instructing	Inductive Reasoning
			Speaking	Selective Attention
E4	CORE	Determine Target Of Inte	rest (TOI) datum	
			Complex Problem Solving	Originality
			Social Perceptiveness	Visualization
E4	CORE	Perform range calculation	ns	
			Operation and Control	Finger Dexterity
			Systems Evaluation	Memorization

Job Title Tactical Aircrew Watch Officer

Job Code 002554

<u>Job Family</u> <u>NOC</u> <u>Short Title (30 Characters)</u> <u>Short Title (10 Characters)</u>

Production 5100-1011.00 TACTICAL AIRCREW WATCH OFFICER TACAIR OFF

Pay Plan Career Field Proficiency Level Other Relationships and Rules:

Enlisted AWO A/J/M NEC 7836

Job Description

Tactical Aircrew Watch Officers are members of an integrated, tactical and logistics worldwide intelligence network at Tactical Centers aboard aircraft carriers, Tactical Support Centers (TSC) and with Mobile Operations Control Centers (MOCCs). They coordinate all administrative functions of their individual divisions, manage resources, and lead the personnel of the tactical center in preparing aircrews and operational commands for tactical missions. They coordinate logistics for safety of flight, communication (UHF/HF radios, data-link, satellite), and post mission analysis and reconstruction. They also coordinate the dissemination of environmental data (oceanographic, electromagnetic propagation, and weather), target analysis, and the replay of mission tapes. Tactical Aircrew Watch Officers monitor and train personnel in managing and maintaining an intelligence database acquired from operations and tactical flights. They also monitor and authorize the transmission of tasking and mission summary messages delineating tactical missions. They process requests for tactical mission qualification packets from individual commands and aircrews. They are trained and have experience in TSC, MOCC, ship and air-wing operations. They must also have a thorough knowledge of acoustic and/or electronic intelligence and analysis, message formatting, and the tactical employment of sensors. Familiarization with security protocols and classified handling procedures is required. The Tactical Aircrew Watch Officer must be able to obtain a final secret security clearance and be eligible for higher clearance as required.

DoD Relationship	O*NET Relationship
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Title and Group:	Code and Area:	Title and SOC Code:	Name and Family Code:
Sonar Operator, General	121000	First-Line Supervisors/Managers of	Production
-		Production and Operating Workers	
121	12	51-1011.00	51

AIRCREW ADMINISTRATION

Paygrade	Task Type	Task Statements	<u>Skills</u>	Abilities_
E6	CORE	Prepare administrative bri	efs	
			Complex Problem Solving	Deductive Reasoning
			Critical Thinking	Mathematical Reasoning
E7	CORE	Prepare tactical equipmen	t evaluation programs	
			Operations Analysis	Deductive Reasoning
			Writing	Written Expression
E7	CORE	Prepare tactics evaluation	programs	
			Operations Analysis	Information Ordering
			Writing	Written Expression
E4	CORE	Safeguard classified mate	rials	
			Active Listening	Information Ordering
			Coordination	Written Comprehension

AIRCREW DUTIES

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Analyze in-flight threat da	nta	
			Critical Thinking	Deductive Reasoning
			Judgment and Decision Making	Memorization
E4	CORE	Analyze Magnetic Anoma	aly Detection (MAD) contact information	
			Critical Thinking	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Analyze mission tactical p	plots	
			Complex Problem Solving	Spatial Orientation
			Critical Thinking	Visual Color Discrimination
E4	CORE	Analyze multi-static conta	act information	
			Critical Thinking	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Analyze passive acoustic	contacts data	
			Critical Thinking	Perceptual Speed
			Operation and Control	Reaction Time

E4	CORE	Calculate Figure Of Merit (FOM)	
		Mathematics Mathematical Reason	ing
		Science Number Facility	
E4	CORE	Classify Synthetic Aperture Radar (SAR) contact information	
		Judgment and Decision Making Memorization	
		Operation and Control Perceptual Speed	
E4	CORE	Coordinate pre-flight checks	
		Coordination Information Ordering	
		Systems Evaluation Written Comprehension	on
E4	CORE	Determine attack criteria for weapons release	
		Complex Problem Solving Inductive Reasoning	
		Judgment and Decision Making Information Ordering	
E4	CORE	Inspect small arms	
		Coordination Oral Expression	
		Management of Personnel Resources Written Expression	
		resources	
E4	CORE	Operate communications equipment	
		Equipment Selection Finger Dexterity	
		Operation and Control Memorization	
E4	CORE	Operate Multi-Sensor Analysis System (MSAS)	
		Operation and Control Finger Dexterity	
		Operation Monitoring Memorization	
E4	CORE	Perform on station mission turnovers/swap procedures	
		Critical Thinking Finger Dexterity	
		Operation and Control Memorization	
E5	CORE	Prepare mission summary logs	
		Management of Material Resources Written Comprehension	on
		Writing Written Expression	
E4	CORE	Report contacts	
		Operations Analysis Information Ordering	
		Writing Written Expression	
E7	CORE	Review hot areas and air space restrictions	
		Equipment Selection Finger Dexterity	
		Programming Information Ordering	
E5	CORE	Update mission summary logs	
		Reading Comprehension Information Ordering	
		Writing Number Facility	

AIRCREW TRAINING

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E5	CORE	Conduct warfare training	exercises	
			Active Listening	Finger Dexterity
			Operation and Control	Information Ordering
E7	CORE	Define aircrew readiness	requirements for individuals and crews	
			Instructing	Information Ordering
			Speaking	Written Expression
E7	CORE	Determine aircrew require	ements for flight and Weapons System Tra	iner (WST) events
			Complex Problem Solving	Information Ordering
			Judgment and Decision Making	Originality
E5	CORE	Develop tactical exams		
			Learning Strategies	Information Ordering
			Writing	Written Expression
E5	CORE	Develop tactical training	materials	
			Learning Strategies	Inductive Reasoning
			Writing	Written Expression
E5	CORE	Develop tactical Weapons	s System Trainer (WST) scenarios	
			Learning Strategies	Inductive Reasoning
			Writing	Written Expression
E5	CORE	Perform individual and cr	ew tactical evaluations	
			Operation and Control	Deductive Reasoning
			Systems Evaluation	Finger Dexterity

COMMUNICATIONS

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Conduct underwater comr	nunications	
			Instructing	Inductive Reasoning
			Speaking	Selective Attention
E4	CORE	Determine communication	n considerations	
			Complex Problem Solving	Fluency of Ideas
			Equipment Selection	Information Ordering
E6	CORE	Draft Operational Report	(OPREP-3) messages	
			Systems Evaluation	Problem Sensitivity
			Troubleshooting	Written Expression
E4	CORE	Interpret naval messages		
			Systems Evaluation	Finger Dexterity
			Troubleshooting	Near Vision
E5	CORE	Monitor Defense Message	e Systems (DMS)	
			Critical Thinking	Control Precision
			Monitoring	Spatial Orientation
E4	CORE	Review card of the day		
			Management of Personnel Resources	Information Ordering
			resources	
			Persuasion	Written Expression
E6	CORE	Test communication syste	ems	
			Critical Thinking	Information Ordering
			Management of Personnel Resources	Oral Expression
			resources	

ENVIRONMENTAL

<u>Paygrade</u>	<u>Task Type</u>	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Analyze environmenta	l data for tactical application	
			Critical Thinking	Mathematical Reasoning
			Science	Memorization
E4	CORE	Analyze meteorologica	al and oceanographic conditions	
			Complex Problem Solving	Mathematical Reasoning
			Critical Thinking	Memorization
E4	CORE	Calculate predicted tra	nsmission path ranges	
			Mathematics	Mathematical Reasoning
			Science	Number Facility
E4	CORE	Develop environmenta	al products using applicable software	
			Speaking	Written Comprehension
			Writing	Written Expression
E5	CORE	Perform Modular Ocea	an Data Assimilation System (MODAS) fie	eld evaluations
			Coordination	Dynamic Strength
			Judgment and Decision Making	Rate Control

OPERATIONS AND LOGISTICS MANAGEMENT

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E7	CORE	Match aircrew to mission	detachment and crew requirements	
			Management of Financial Resources	Information Ordering
			Management of Material Resources	Written Comprehension
E5	CORE	Perform detachment site s	urveys	_
			Coordination	Oral Comprehension
			Judgment and Decision Making	Oral Expression
E6	CORE	Submit airlift requests		-
			Critical Thinking	Information Ordering
			Management of Material Resources	Written Comprehension
E7	CORE	Submit logistics requests		
			Equipment Selection	Arm-Hand Steadiness
			Operation and Control	Stamina

SEARCH AND RESCUE (SAR) OPERATIONS/COMBAT SEARCH AND RESCUE (CSAR) OPERATIONS

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E7	CORE	Coordinate Search And Re	escue (SAR) missions	
			Coordination	Fluency of Ideas
			Management of Material Resources	Information Ordering
E4	CORE	Perform Cardio-Pulmonar	y Resuscitation (CPR)	
			Coordination	Deductive Reasoning
			Operation and Control	Memorization
E5	CORE	Plot survivor locations		
			Critical Thinking	Spatial Orientation
			Operation and Control	Visual Color Discrimination

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Analyze Infrared (IR) an	d Electro Optic (EO) contact information	1
			Critical Thinking	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Analyze Inverse Synthet	ic-Aperture Radar (ISAR) or Synthetic A	perture Radar (SAR) contact information
			Critical Thinking	Perceptual Speed
			Operation and Control	Reaction Time
E4	CORE	Classify visual contact in	nformation	
			Judgment and Decision Making	Memorization
			Operation and Control	Perceptual Speed

TACTICAL OPERATIONS CENTER (TOC) / MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Analyze collected intellig	ence information	
			Complex Problem Solving	Memorization
			Critical Thinking	Number Facility
E4	CORE	Analyze post-flight missic	on data	
			Critical Thinking	Number Facility
			Operation and Control	Written Comprehension
E5	CORE	Analyze tactical missions	data	
			Critical Thinking	Originality
			Operation and Control	Visualization
E7	CORE	Conduct overdue aircraft		
			Equipment Selection	Night Vision
			Operation and Control	Visual Color Discrimination
E5	CORE	Conduct positional training	ng for watch teams	
			Monitoring	Finger Dexterity
			Operation and Control	Mathematical Reasoning
E4	CORE	Conduct Post Mission An	alysis (PMA)	
			Learning Strategies	Speech Clarity
			Instructing	Written Expression
E4	CORE	Conduct Secure Internet I	Protocol Router Network (SIPRNET) cha	at operations
			Quality Control Analysis	Speech Recognition
			Speaking	Written Comprehension
E5	CORE	Create Acoustic Intelliger	nce (ACINT) packages	
			Operations Analysis	Written Comprehension
			Writing	Written Expression
E4	CORE	Develop aircrew mission	briefs	
			Critical Thinking	Originality
			Mathematics	Visualization
E5	CORE	Develop tactical lessons le		
			Learning Strategies	Information Ordering
			Writing	Written Expression
E5	CORE	Develop tactical memorar		
			Learning Strategies	Inductive Reasoning
			Writing	Written Expression
E5	CORE	Develop tactical proficien		
			Learning Strategies	Inductive Reasoning
			Writing	Written Expression

E5	CORE	Disseminate intelligence data	
23	COILE	Learning Strategies	Originality
E7	CORE	Writing	Visualization
E7	CORE	Disseminate post mission data in naval messages Reading Comprehension	Speech Clarity
		Writing	Written Expression
E6	CORE	Enter post-flight tactical data	•
		Critical Thinking	Oral Comprehension
E4	CORE	Writing Extract tactical intelligence mathematically from target data	Written Expression
L+	CORE	Complex Problem Solving	Mathematical Reasoning
		Mathematics	Number Facility
E5	CORE	Identify mission requirements	D
		Judgment and Decision Making Operation and Control	Perceptual Speed Reaction Time
E4	CORE	Issue mission equipment	Reaction Time
		Critical Thinking	Memorization
		Operation and Control	Visual Color Discrimination
E4	CORE	Monitor radio communications	Originality
		Complex Problem Solving Monitoring	Originality Rate Control
E6	CORE	Monitor watch teams flow of tactical data	Take Common
		Complex Problem Solving	Mathematical Reasoning
F.5	CODE	Monitoring Out of First Annual Control (FTAS)	Number Facility
E5	CORE	Operate Fast Time Analysis System (FTAS) Operation and Control	Finger Dexterity
		Operation Monitoring	Memorization
E6	CORE	Organize Combat Search And Rescue (CSAR) operations	
		Operation and Control	Finger Dexterity
E6	CORE	Operation Monitoring Organize Search And Rescue (SAR) operations	Memorization
Lo	CORL	Coordination	Fluency of Ideas
		Complex Problem Solving	Information Ordering
T-4	CODE	D C ' ' 1	
E4	CORE	Perform mission replays	
E4	CORE	Equipment Selection	Information Ordering
		Equipment Selection Operation and Control	Memorization
E5	CORE	Equipment Selection	Memorization
E5	CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making	Memorization sponsibilities
		Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures	Memorization sponsibilities Dynamic Strength Memorization
E5	CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking	Memorization sponsibilities Dynamic Strength Memorization Memorization
E5	CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures	Memorization sponsibilities Dynamic Strength Memorization
E5 E7	CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking Operation and Control Perform post-flight analysis of mission data Judgment and Decision Making	Memorization sponsibilities Dynamic Strength Memorization Memorization Visual Color Discrimination Oral Comprehension
E5 E7 E4	CORE CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking Operation and Control Perform post-flight analysis of mission data Judgment and Decision Making Writing	Memorization sponsibilities Dynamic Strength Memorization Memorization Visual Color Discrimination
E5 E7	CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking Operation and Control Perform post-flight analysis of mission data Judgment and Decision Making Writing Perform tactical mission reconstructions	Memorization sponsibilities Dynamic Strength Memorization Memorization Visual Color Discrimination Oral Comprehension Written Expression
E5 E7 E4	CORE CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking Operation and Control Perform post-flight analysis of mission data Judgment and Decision Making Writing	Memorization sponsibilities Dynamic Strength Memorization Memorization Visual Color Discrimination Oral Comprehension
E5 E7 E4	CORE CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking Operation and Control Perform post-flight analysis of mission data Judgment and Decision Making Writing Perform tactical mission reconstructions Complex Problem Solving Coordination Plot Position of Intended Movement (PIM) tracks	Memorization sponsibilities Dynamic Strength Memorization Memorization Visual Color Discrimination Oral Comprehension Written Expression Fluency of Ideas Information Ordering
E5 E7 E4 E5	CORE CORE CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking Operation and Control Perform post-flight analysis of mission data Judgment and Decision Making Writing Perform tactical mission reconstructions Complex Problem Solving Coordination Plot Position of Intended Movement (PIM) tracks Critical Thinking	Memorization sponsibilities Dynamic Strength Memorization Memorization Visual Color Discrimination Oral Comprehension Written Expression Fluency of Ideas Information Ordering Spatial Orientation
E5 E7 E4 E5 E4	CORE CORE CORE CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking Operation and Control Perform post-flight analysis of mission data Judgment and Decision Making Writing Perform tactical mission reconstructions Complex Problem Solving Coordination Plot Position of Intended Movement (PIM) tracks Critical Thinking Operation and Control	Memorization sponsibilities Dynamic Strength Memorization Memorization Visual Color Discrimination Oral Comprehension Written Expression Fluency of Ideas Information Ordering
E5 E7 E4 E5	CORE CORE CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking Operation and Control Perform post-flight analysis of mission data Judgment and Decision Making Writing Perform tactical mission reconstructions Complex Problem Solving Coordination Plot Position of Intended Movement (PIM) tracks Critical Thinking	Memorization sponsibilities Dynamic Strength Memorization Memorization Visual Color Discrimination Oral Comprehension Written Expression Fluency of Ideas Information Ordering Spatial Orientation
E5 E7 E4 E5 E4 E5	CORE CORE CORE CORE CORE	Equipment Selection Operation and Control Perform Mobile Tactical Operations Center (MTOC) loadmaster re Coordination Judgment and Decision Making Perform Operational Reporting (OPREP) procedures Critical Thinking Operation and Control Perform post-flight analysis of mission data Judgment and Decision Making Writing Perform tactical mission reconstructions Complex Problem Solving Coordination Plot Position of Intended Movement (PIM) tracks Critical Thinking Operation and Control Plot required Undersea Warfare (USW) symbologies	Memorization sponsibilities Dynamic Strength Memorization Memorization Visual Color Discrimination Oral Comprehension Written Expression Fluency of Ideas Information Ordering Spatial Orientation Visual Color Discrimination
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E5	CORE	Prepare pre-exercise prese	entations	
			Operations Analysis	Deductive Reasoning
7. 4	CORE		Writing	Written Expression
E4	CORE	Prepare tactical aircrew m		B 1 2 B 2
			Operations Analysis	Deductive Reasoning
E4	CODE	D to the for	Writing	Written Expression
E4	CORE	Prepare target briefs	On anotions Anotheris	Information On Latin
			Operations Analysis	Information Ordering
E7	CORE	Prepare warfare briefs	Writing	Written Expression
E/	CORE	Prepare warrare oriers	Operations Analysis	Information Ordering
			Operations Analysis Writing	Written Expression
E6	CORE	Program Electronic Warfa		written Expression
E0	COKE	1 logiam Electronic warra	Operations Analysis	Information Ordering
			Writing	Written Expression
E4	CORE	Review charts for mission		Written Expression
L4	CORL	Review charts for mission	Management of Material Resources	Information Ordering
			Management of Personnel Resources	Written Expression
			resources	Written Expression
E5	CORE	Setup communication ante		
20	COLL	Secup communication units	Active Listening	Information Ordering
			Coordination	Written Comprehension
E5	CORE	Setup tactical plotting stat	ions	<i>T</i>
		2 F	Quality Control Analysis	Information Ordering
			Speaking	Written Comprehension
E6	CORE	Supervise aircrew watch to		1
			Equipment Selection	Arm-Hand Steadiness
			Operation and Control	Stamina
E5	CORE	Supervise Anti-Submarine	e Warfare (ASW) tactical air controller ope	erations
		-	Coordination	Written Comprehension
			Writing	Written Expression
E5	CORE	Supervise tactical plot ope	erations	
			Coordination	Written Comprehension
			Writing	Written Expression
E4	CORE	Transmit data link informa	ation	
			Complex Problem Solving	Number Facility
			Management of Material Resources	Written Expression
E6	CORE	Update intelligence databa		
			Critical Thinking	Finger Dexterity
			Operation and Control	Written Expression

TARGET MOTION ANALYSIS

Paygrade	Task Type	Task Statements	<u>Skills</u>	Abilities
E4	CORE	Calculate active ranges		
			Mathematics	Mathematical Reasoning
			Science	Number Facility
E4	CORE	Calculate active target co	urse and speeds	
			Complex Problem Solving	Mathematical Reasoning
			Mathematics	Number Facility
E4	CORE	Calculate Area Of Probab	pility (AOP)	
			Mathematics	Mathematical Reasoning
			Science	Number Facility
E4	CORE	Calculate Magnetic Anon	naly Detection (MAD) contact course and	speed
			Complex Problem Solving	Mathematical Reasoning
			Mathematics	Number Facility
E4	CORE	Calculate passive acoustic	c contacts course, speed and depth	
			Mathematics	Mathematical Reasoning
			Science	Number Facility
E4	CORE	Calculate Target Motion	Analysis (TMA)	
			Mathematics	Mathematical Reasoning
			Science	Number Facility

Job Title
Aircrew Readiness Manager

Job Family NOC Short Title (30 Characters) Short Title (10 Characters)

Job Code 002539

Transportation and Material Moving 5300-1011.00 AIRCREW READINESS MANAGER AIR RD MGR

<u>Pay Plan</u> <u>Career Field</u> <u>Proficiency Level</u> <u>Other Relationships and Rules:</u>

Enlisted AWO M Not Applicable

Job Description

Aircrew Readiness Managers are crucial and integral members of staffs, operational commands, and squadrons. They coordinate the operational, administrative, and aircrew scheduling functions for the organization. They administer and manage training programs and resources for naval aircrew, manage standardization of aircrew training programs to enhance proficiency and readiness, and coordinate all aspects of aircrew training to meet the rigorous demands of operational commitments worldwide. Additionally, they administer and direct the following programs: Naval Air Training and Operating Procedures Standardization (NATOPS) and Search and Rescue (SAR) programs. They also administer and direct tactics, training and readiness, ordnance and weapons, and aircrew training. As program managers, they analyze training resource requirements, review and approve contract options for new training devices and programs, develop and revise curriculum, incorporate and initiate new aircrew training programs, manage student quotas, qualifications and certifications, and coordinate aircrew physical fitness and health program initiatives.

DoD Relationship O*NET Relationship

<u>Title and Group:</u> <u>Code and Area:</u> <u>Title and SOC Code:</u> <u>Name and Family Code:</u>

Air Crew, General 105000 Aircraft Cargo Handling Supervisors Transportation and Material Moving

105 10 53-1011.00 53

AIRCREW ADMINISTRATION

<u>Paygrade</u>	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E7	CORE	Analyze emerging technol	ogy to meet fleet training requirements	
			Critical Thinking	Inductive Reasoning
			Equipment Selection	Problem Sensitivity
E7	CORE	Certify aircraft records for		
			Mathematics	Mathematical Reasoning
			Science	Number Facility
E5	CORE	Certify Naval Air Training	g and Operating Procedures Standardization	
			Mathematics	Mathematical Reasoning
			Science	Number Facility
E5	CORE	Conduct aircrew qualificat	tion and readiness program evaluations	
			Operation and Control	Mathematical Reasoning
			Science	Number Facility
E7	CORE	Conduct fleet acquisition p	program briefs	
			Coordination	Visual Color Discrimination
			Speaking	Visualization
E7	CORE	Conduct flight order audit		
			Judgment and Decision Making	Fluency of Ideas
			Operation and Control	Inductive Reasoning
E5	CORE	Conduct Naval Air Trainir	ng and Operating Procedures Standardization	on (NATOPS) evaluations
			Complex Problem Solving	Auditory Attention
			Operation and Control	Visualization
E5	CORE	Conduct Naval Air Trainir	ng and Operating Procedures Standardization	on (NATOPS) flight training
			Active Listening	Inductive Reasoning
			Instructing	Selective Attention
E5	CORE	Conduct Naval Air Trainir	ng and Operating Procedures Standardization	on (NATOPS) ground training
			Instructing	Inductive Reasoning
			Learning Strategies	Selective Attention
E7	CORE	Coordinate weapons system	m designs with contract engineers	
			Complex Problem Solving	Fluency of Ideas
			Speaking	Inductive Reasoning
E7	CORE	Develop long and short rai	nge aircrew training plans	
			Operations Analysis	Mathematical Reasoning
			Operation and Control	Visual Color Discrimination
E6	CORE	Implement aircrew course	curriculum changes	
			Active Listening	Auditory Attention
			Critical Thinking	Memorization
E7	CORE	Implement aircrew manpo	wer process from accession to fleet integrate	tion
			Complex Problem Solving	Written Comprehension
			Management of Material Resources	Written Expression

E5	CORE	Maintain aircrew flight dat	abases	
			Equipment Selection	Dynamic Flexibility
			Installation	Dynamic Strength
E4	CORE	Maintain Naval Air Traini	ng and Operating Procedures Standardizati	ion (NATOPS) training jackets
			Monitoring	Written Comprehension
			Writing	Written Expression
E7	CORE	Monitor aircraft records fo	r government compliance	
			Judgment and Decision Making	Originality
			Management of Personnel Resources	Rate Control
			resources	
E6	CORE	Prepare flight hour reports		
			Complex Problem Solving	Finger Dexterity
			Critical Thinking	Reaction Time
E4	CORE	Review Naval Air Training	g and Operating Procedures Standardizatio	n (NATOPS) records
			Active Listening	Oral Comprehension
			Reading Comprehension	Written Comprehension
E4	CORE	Safeguard classified mater	ials	
			Active Listening	Information Ordering
			Coordination	Written Comprehension

AIRCREW DUTIES

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E4	CORE	Determine attack criteria f	or weapons release	
			Complex Problem Solving	Inductive Reasoning
			Judgment and Decision Making	Information Ordering
E4	CORE	Inspect small arms		
			Coordination	Oral Expression
			Management of Personnel Resources	Written Expression
			resources	
E4	CORE	Update flight time log boo	ks	
			Complex Problem Solving	Deductive Reasoning
			Troubleshooting	Visualization

AIRCREW TRAINING

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E5	CORE	Administer aircrew training	ng programs	
			Instructing	Memorization
			Learning Strategies	Written Comprehension
E5	CORE	Administer Naval Air Tra	ining and Operating Procedures Standardia	zation (NATOPS) programs
			Instructing	Memorization
			Learning Strategies	Written Comprehension
E7	CORE	Analyze monthly training		
			Complex Problem Solving	Inductive Reasoning
			Management of Material Resources	Originality
E6	CORE	Analyze training and read	iness matrix for technical accuracy	
			Critical Thinking	Inductive Reasoning
			Monitoring	Originality
E5	CORE	Brief crew resource mana	gement program	
			Persuasion	Speech Clarity
			Speaking	Written Expression
E7	CORE	Conduct fleet aviation train	ining requirement briefs	
			Equipment Maintenance	Information Ordering
			Operation Monitoring	Written Expression
E5	CORE	Conduct tactical flight tra	ining	
			Operation and Control	Finger Dexterity
			Operation Monitoring	Visual Color Discrimination
E5	CORE	Conduct tactical ground to	raining	
			Instructing	Inductive Reasoning
			Speaking	Selective Attention
E5	CORE	Conduct warfare training	exercises	
			Active Listening	Finger Dexterity
			Operation and Control	Information Ordering
E7	CORE	Define aircrew readiness	requirements for individuals and crews	
			Instructing	Information Ordering
			Speaking	Written Expression

E7	CORE	Determine aircrew requirements for flight and Weapons System T	Frainer (WST) events
		Complex Problem Solving	Information Ordering
		Judgment and Decision Making	Originality
E5	CORE	Develop Naval Air Training and Operating Procedures Standardiz	zation (NATOPS) exams
		Instructing	Inductive Reasoning
		Learning Strategies	Information Ordering
E5	CORE	Develop Naval Air Training and Operating Procedures Standardiz	zation (NATOPS) lesson material
		Learning Strategies	Information Ordering
		Writing	Written Expression
E5	CORE	Develop tactical exams	•
		Learning Strategies	Information Ordering
		Writing	Written Expression
E5	CORE	Develop tactical training materials	-
		Learning Strategies	Inductive Reasoning
		Writing	Written Expression
E5	CORE	Develop tactical Weapons System Trainer (WST) scenarios	
		Learning Strategies	Inductive Reasoning
		Writing	Written Expression
E7	CORE	Evaluate aircrew training programs	
		Judgment and Decision Making	Originality
		Operation and Control	Spatial Orientation
E7	CORE	Monitor Fleet Replacement Squadron (FRS) student production	
		Monitoring	Written Comprehension
		Reading Comprehension	Information Ordering

MAINTENANCE SUPPORT

Paygrade	Task Type	<u>Task Statements</u> <u>Skills</u>	<u>Abilities</u>
E7	CORE		
		Complex Problem Solving	Originality
		Critical Thinking	Visualization

OPERATIONS AND LOGISTICS MANAGEMENT

E7 CORE Coordinate cargo transfers Coordination Management of Material Resources CORE Coordinate logistics Coordination Fluency of Ideas	
Management of Material Resources Visualization E7 CORE Coordinate logistics	
Coordination Fluency of Ideas	
Management of Material Resources Information Ordering	
E7 CORE Coordinate long and short range aircraft availability plans	
Coordination Fluency of Ideas	
Management of Material Resources Information Ordering	
E7 CORE Implement temporary flight orders	
Complex Problem Solving Rate Control	
Management of Personnel Resources Visualization	
resources	
E7 CORE Manage Operational Target (OPTAR) budgets	
Equipment Selection Originality	
Operation and Control Rate Control	
E7 CORE Organize logistics operations	
Operation and Control Finger Dexterity	
Operation Monitoring Memorization	
E6 CORE Prepare country clearance messages	
Complex Problem Solving Finger Dexterity	
Critical Thinking Reaction Time	
E7 CORE Prioritize aircrew assignments	
Critical Thinking Information Ordering	
Instructing Written Expression	
E7 CORE Prioritize flight missions	
Critical Thinking Information Ordering	
Instructing Written Expression	
E6 CORE Submit airlift requests	
Critical Thinking Information Ordering	
Management of Material Resources Written Comprehensio	117

E7

Equipment Selection Operation and Control Arm-Hand Steadiness

Stamina

SPECIAL WARFARE/VISUAL/PHOTOGRAPHIC OPERATIONS

Paygrade E7 Task Type **Abilities Task Statements** Skills CORE

Organize Naval Special Warfare (NSW) operations

Coordination

Fluency of Ideas Complex Problem Solving Information Ordering

TACTICAL OPERATIONS CENTER (TOC) / MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

Paygrade	Task Type	Task Statements	<u>Skills</u>	<u>Abilities</u>
E7	CORE	Coordinate operating areas scheduling with external agencies		
			Coordination	Fluency of Ideas
			Management of Material Resources	Information Ordering
E6	CORE	Coordinate operations with watch officer		
			Coordination	Fluency of Ideas
			Management of Material Resources	Information Ordering
E6	CORE	Coordinate tactical exercises		
			Coordination	Fluency of Ideas
			Management of Material Resources	Information Ordering
E6	CORE	Coordinate tactical missions		
			Coordination	Fluency of Ideas
			Management of Material Resources	Information Ordering
E5	CORE	Develop tactical lessons learned		
			Learning Strategies	Information Ordering
			Writing	Written Expression
E5	CORE	Develop tactical memorandums		
			Learning Strategies	Inductive Reasoning
			Writing	Written Expression
E5	CORE	Develop tactical proficiency programs		
			Learning Strategies	Inductive Reasoning
			Writing	Written Expression
E7	CORE	Manage coordinated ope	ration assets	
			Critical Thinking	Memorization
			Operation and Control	Visual Color Discrimination
E7	CORE	Manage mission support systems		
			Coordination	Rate Control
			Critical Thinking	Visualization